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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/662,850	. 09/15/2003	Haowen Bu	TI-36162	2124	
23494 7590 05/26/2004			EXAM	EXAMINER	
TEXAS INSTRUMENTS INCORPORATED P O BOX 655474, M/S 3999			LEE, CA	LEE, CALVIN	
DALLAS, TX	75265	*	ART UNIT	PAPER NUMBER	
	у.		2825		
			DATE MAILED: 05/26/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

,	Application No.	Applicant(s)			
Office Action Summary	10/662,850	BU et al.			
Office Action Summary	Examiner	Art Unit			
The MALLING OF THE CALL	Lee, Calvin	2825			
The MAILING DATE of this communication appears on the cover she t with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any					
Status					
1) Responsive to communication(s) filed on	,	,			
	ection is non-final				
/ <u></u> /	Ce except for formal mottons are				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
· · · · · · · · · · · · · · · · · · ·	parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.			
Disposition of Claims	w +	*			
4) Claim(s) <u>1-24</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdraw	n from consideration.				
5) Claim(s) is/are allowed.	*				
6) Claim(s) is/are rejected.	*				
7) Claim(s) is/are objected to.					
8) Claim(s) 1-24 are subject to restriction and/or ele	ection requirement				
y = 1 and out to restriction and/or election requirement.					
Application Papers					
9)☐ The specification is objected to by the Examiner.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
Applicant may not request that any objection to the dr	eving(a) he had in all	xaminer.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119		•			
12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of:					
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No.					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17,2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
		•			
		*			
Attachment(s)	arean law of the size of the size of				
1) Notice of References Cited (PTO-892)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date.					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal Pate 6) Other:	nt Application (PTO-152)			
U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Office Action	Summary	Part of Paper No /Mail Date 3			

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OFFICE ACTION

Election/Restriction

1. This invention application contains claims directed to four patentably distinct species: Group A (1-19): A method of fabricating a semiconductor [class 438, subclass 289]; Group B (20-24): A method of fabricating a composite nitride cap [class 438, subclass 559].

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Applicant must choose one species from each of Groups A thru B, because of the following reason:

- * Group A compared to Group B: Forming L-shaped nitride spacers and performing a rapid thermal anneal, found in Group A, are the two crucial process steps beside forming a composite nitride cap, which also is found in Group B.
- 2. Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a)

3. Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in.

Applicant is advised that the reply to this requirement to be completed must include an election of the invention to be examined even though the requirement is traversed (37CFR 1.143). Note: Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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Contact Information

Any inquiry concerning this communication from the Examiner should be directed to *Calvin Lee* at (571) 272-1896 from 7:00 to 17:00 (Monday-Thursday, Eastern Time). If attempts to reach the examiner by telephone are unsuccessful, Art Unit 2825's Supervisory Patent Examiner *Matthew Smith* can be reached at (571) 272-1907.

Any inquiry relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0596. The central fax number is (703) 872-9306 for all communications to be entered (e.g., amendments, remarks, IDS, etc.)

CL_

L. Xuulal Caridad evermart Primary examiner

May 20, 2004